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YUMA, ARIZONA

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every Tuesday evening at 8 o'clock. Visiting

brothers in good standing are invited to

attend. Yours in C. U. and P.

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on the fourth Sunday in each month at

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CATHOLIC CHURCH DIRECTORY: SUN-

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TIMELY HINTS
FOR FARMERS.A Lesson in Intensive Farming by
R. H. Forbes, Director and
Chemist of Agricultural
Experiment StationUniversity of Arizona,
January 10, 1907.

Just west of Yuma, Arizona, in the alluvial flood plain of the Colorado, lies a little farm of 72 acres which on May 1, 1905, was virgin bottomland, covered with saltweed, arrowweed, and crocodile bushes. The original purpose of the tract was for planting selected varieties of date palms imported by the U. S. Department of Agriculture from the Old World. The Experiment station, May 2, began irrigating the ground and on May 20 the work of leveling, bordering and irrigating the tract and the planting of 152 palms, was completed.

THE PLAN OF WORK.

Recognizing, however, that a farmer with his living to make meantime, cannot afford to wait for an orchard to come into bearing, it was planned to plant crops for quick returns between the tree-rows, thus utilizing the space between the palms. The prevailing crops of the region are alfalfa, corn, barley, and sorghum. In general, comparative little attention being given to vegetables and fruits. Withal, the cost of leveling land in this region is high, rarely falling below twenty dollars an acre at current prices for labor and teams. Moreover, the cost, exclusive of maintenance, of the Government irrigating system now under construction will be about \$2.50 an acre annually for ten years. To meet these and other heavy items of expense in the establishment of a farm in this region, intensive crops of a more non-permanent character than alfalfa, now in vogue, are essential. It was partly, therefore, as an object lesson bearing upon these financial aspects of the general situation, that this cultural work was planned.

RECLAMATION OF THE GROUND.

The soil of our tract, a warm, sandy loam well adapted to gardening operations, was leveled, ditched and bordered at a contract price of \$7.20 an acre, including the cost of the labor of men and teams at current rates. In addition, lumber for headgates cost \$95.57; a drive well point and pipe, a pitcher-spout pump and hose, about \$10.00; a small two-room house, including five and one-half days carpenter hire, \$12.75; and a brush-room shelter for horses and poultry, \$10.00. Labor employed in leveling, bordering and ditching the ground, and for part construction of the house and poultry shelter, above estimates, as the common labor required ordinarily would be, was not included in the case was furnished by the farmer himself.

To bring this ground under cultivation and to plant a small alfalfa tract, the farmer's family, as stated above, therefore required a cash outlay of about \$400.00. In addition, in the case of the farmer, the cost of the tractor, wagon, plow, harrow, haying equipment, shoes and other small tools.

CROPS AND MARKETS.

The crops selected for the season of 1906 were Early Rose potatoes, White Bermuda onions, Rockyford cantaloupes, Dwarf Champion and Burpee's Quarter Century tomatoes, and alfalfa, besides a few hills of watermelons and a few hills of watermelons.

The produce was marketed in Yuma with the exception of tomatoes, which, for the latter part of the season, were shipped to Tucson and Bisbee. The following statements for the various crops are on the basis of net cash returns for the farmer, exclusive of the cost of the labor of men and teams, and of the cost of the tractor, wagon, plow, harrow, haying equipment, shoes and other small tools.

	Cash outlay,	Cash returns,
Seed.....	\$ 2.88	
18 irrigations in seed bed and		
irrigations in field, about.....	5.50	
Sacks and sundry, about.....	2.50	
2000 pounds of onions at 25¢.....		\$75.21
Net cash returns, not de-		
ducting labor.....	61.30	
	\$73.24	\$75.21

The amount of labor expended upon this crop was large for the acre especially at the transplanting time. One day's team work in preparing the land and about 32 days, men's time, were required to bring it through, though the work was not heavy and could have been well performed by boys. The yield was low owing to the dry season and the utilized character of the soil, onions requiring large amounts of organic matter in the soil to give good results.

	Cash outlay,	Cash returns,
Early Rose potatoes, 54 acres: Seed pota-		
toes planted Feb. 15, 1906. Begun to		
bloom April 15. Crop all harvested June 15.		
Yield, 2015 pounds. Highest price, May 21,		
24¢ a bush of crop, 24¢ a bush. Marketed in		
Yuma.....		
200 pounds seed-potatoes and		
freight on same.....	\$ 8.00	
Irrigating water for seedling		
used as fertilizer.....	2.98	
2 irrigations for seedling.....	.84	
Fertilizer for seed, includ-		
ing express.....	1.00	
200 pounds of seed, includ-		
ing express.....	2.15	
Net cash returns, not de-		
ducting labor.....	57.15	
	\$70.00	\$70.00

The amount of labor required for the crop itself was about 15 working days, with 15 days. The seedlings were as green manure on the west side of the potato ground was given 17 irrigations. Bermuda grass, more over, flourished beneath the seedlings to such an extent as to subsequently require a labor for cleaning up the 46 acres so fertilized. Although the larger part of the crop came from the seedlings, the potatoes put in potatoes this method of enriching the soil proved very costly, 27 days man's time and 3 days team-work being required to put in seedlings under and afterwards get rid of the Bermuda grass. Nevertheless, the labor expended could easily have been managed by a careful farmer, as the Bermuda grass was done in January when other work was not urgent.

Tomatoes, Dwarf Champion and Burpee's Quarter Century, 32 acres: Seed planted in cold-frame, Feb. 1, 1906. Transplanted to field March 12-14. First ripe tomatoes, June 10, class, 11282 pounds; second class, 11282 pounds; waste, most of which could have been eaten, 140 pounds. Total crop of 2300 vines, 13414 pounds or 14 pounds, gross, to the vine. Highest price received, 30¢ for a single pound on June 10. Bulk of tomatoes sold during July in Tucson and Bisbee markets, at 65¢ to 45¢ c. o. b. Yuma. Second class crop sold locally down to 25¢.

	Cash outlay,	Cash returns,
Seed.....	\$ 1.50	
18 irrigations, 14 acre.....		
38 crates for shipments to		
Tucson and Bisbee.....	66.50	
13500 pounds of tomatoes at		
30¢ to 25¢.....		\$424.00
Net cash returns, not de-		
ducting labor.....	55.00	
	\$621.00	\$621.00

*Not including \$14.00, failed to collect. Until the last of June this crop required but little labor. During the shipping season, however, four persons were employed on about half time in picking, packing and shipping the crop. The entire labor requirements for the crop were, men's time, 8 days; women and boys, 38 days; and team 10 days. The heaviest demand upon labor being during July. Dwarf Champion and Burpee's Quarter

Century yielded about equally well, both being of the dwarf bushy sorts best adapted to this climate. Farmyard manure was used under the double rows, otherwise the ground was unfertilized save by the muddy irrigating water used.

	Cash outlay,	Cash returns,
1 pound seed.....	\$ 1.00	
18 irrigations.....	8.00	
70 dozen cantaloupes at 25¢		
to 15¢.....		\$144.00
Net cash returns, not de-		
ducting labor.....	155.00	
	\$163.00	\$163.00

The labor on this crop was light, but in this case time consuming, because of inconvenient arrangements for marketing. There were employed on the crop 31 days men's time, 8 days women and boys; and 2 days team, not otherwise included.

The crop was fertilized with barnyard manure in about three-fourths of the hills, and, as stated above, the stand was very good. The results of this are therefore conservative.

Watermelons and sundry small items of produce were sold locally to the amount of \$13.95.

Seed and irrigating water, about \$ 2.00

Leaving a cash return of about.....

Alfalfa, 1.70 acres: This was sown May 18, 1905, yielding three cuttings of about five tons of clean hay the first season. During the second season, covered by this timely hint, there were seven cuttings with a total of about 20 tons of hay. The only cash outlay was \$20.40 for irrigating water. The labor required was, men's time, 14 days and team nine days, which is rather high labor requirement for this alfalfa on account of the small size of the field under consideration, and limited use of machinery. This crop at \$5.00 to \$10.00 a ton, loose, which has been the price this season, represents a cash return of not less than \$100.00 for the crop, but this hay was used to feed the team employed on the place, proving to be more than sufficient for that purpose, since a stack of about three tons remains at the end of the season. The manure from this source, being free from Bermuda grass seed, was especially valuable for fertilizing a part of the crops grown.

Had Tetter for Thirty Years.

I have suffered with tetter for thirty years and have tried almost countless remedies with little, if any, relief. Three boxes of Chamberlain's Salve cured me. It was a torture. It broke out a little sometimes, but nothing to what it used to do.—D. H. Beach, Midland City, Ala. Chamberlain's Salve is for sale by Ketcherside Drug Store.

OFFICIAL MINUTES

Of the Proceedings of the Board
of Supervisors of Yuma
County, Arizona.Office of Board of Supervisors,
Yuma County, Yuma, Arizona,
Sept. 19, 1908.

Board of supervisors of Yuma county met pursuant to adjournment, 10 a. m., all members, district attorney, county assessor and clerk present. Minutes of Sept. 14, 1908, were read and approved, all members voting aye.

The following communication was received from the county school superintendent, to-wit: Office of the Probate Court of Yuma county, Yuma, Arizona, August 28, 1908.

To the Hon. Board of Supervisors, Yuma County, Arizona,

Dear Sirs:

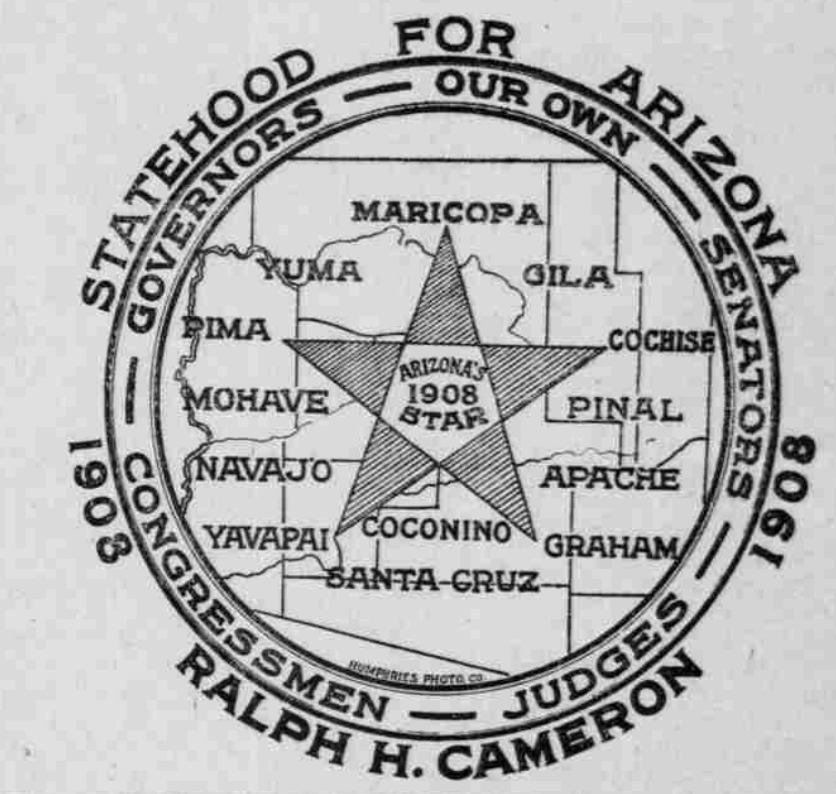
I herewith transmit a petition for the creation of a new school district to be known as the Jordan School District No. 28, with boundaries as follows, to-wit:

Beginning at the corner of section line between sections 29 and 30, township 8 south, range 23 west, G. and S. R. B. and M., thence south on section line one mile to the corner between sections 31 and 32, twp. 8, s. 23 west, thence one mile to the corner on township line, thence south 1/4 mile on township line to sw corner of section 31, twp. 8, s. 23 west, thence east on township line one mile, thence south one mile, thence east to the foot of the mesa; thence northerly, following the foot of the mesa, to the center of section 29, twp. 8 s r 23 west, thence west 1/2 mile to the point of beginning.

The petition shows they have 15 census children now residents of the new school district asked for, and I hereby approve the said petition and the boundary lines as stated above and recommend to the board that a school district be established within these lines, or such boundary lines as the board may determine.

Respectfully yours,
Joseph H. Godfrey,
Supt. of Schools.

The school superintendent accompanied said communication with a legal petition signed by the parents of fifteen census children of school age residing within the boundaries of the proposed new district, and it appearing necessary to the board, upon motion and by unanimous vote the following resolution creating and establishing the new school district was passed: Resolved, that there is hereby



created and established school district No. 28, with boundary lines as follows:

Beginning at the northwest corner of section 32 in township 8 south, range 23 west, G. and S. R. B. and M., thence running south one-half mile, thence west one-half mile to the center of section 31, same township and range; thence south one-half mile; thence east one-half mile to the southeast corner of said section 31, thence south along the west line of section 5, township 9, south range 23 west, G. and S. R. B. and M., to the south corner of said section 5, thence east along the south line of said section 5 to the foot of the mesa; thence northerly, following the foot of the mesa, to the north line of section 32, township 8 south, range 23 west, thence west to the place of beginning.

On motion Board adjourned to meet at 2 p. m., September 21, 1908.

H. H. Donkersley,
Chairman.
J. M. Polhamus, Clerk.

Office of Board of Supervisors,
Yuma county, Yuma, Arizona,
September 21, 1908.

Board of supervisors met at 2 o'clock p. m. pursuant to adjournment, all members, district attorney and clerk present. Minutes of September 19, 1908, were read and approved, all members voting aye.

The duplicate assessment roll for the year 1908 being completed, and on this day examined and compared with the original assessment roll by the board of supervisors, it is hereby accepted.

Total territory and county valuation.....	\$2,576,654.65
Total valuation of mining roll.....	72,539.44
Total.....	\$2,649,194.09
County and Territory taxes.....	\$7,438.30
School district No. 1 Bond tax.....	1,880.24
Excess collected by Assessor on last year rate.....	178.95
Total amount of taxes.....	\$9,497.49
Less collected by Assessor, including above excess.....	\$2,306.36
Less statutory exempt.....	\$12.00
Total amt. of taxes charged to Tax Collector.....	\$7,179.13

The chairman's warrant having been affixed, on motion duly seconded and carried it is ordered turned over, together with the plat books, to the tax collector, and be it further ordered that the county treasurer be and he is hereby charged with the sum of \$85,350.13, the amount of all of said taxes, as shown by said duplicate assessment roll to be collected.

On motion Board adjourned to meet at 10 a. m., September 23, 1908.

H. H. DONKERSLEY,
Chairman.
J. M. POLHAMUS, Clerk.

Dr. Wm. Osler has been elected Lord High Rector of the University of Edinburgh. And this for the man who, by his own dictum, should have been chloroformed on his last birthday.

A medical journal has published that a red nose is no sign of drunkenness. Still, as a prima facie indication, it will doubtless continue to be suggestive of hard drinking.

GOOD TIMES.

An Irishman in Illinois says that he, is going to vote for Bryan. "Begorrah, I voted for Bryan 12 years ago and 8 years ago, and we have had a good time ever since, and I am going to do it again," is the way he puts it.

DEMOCRATIC PAPERS
PLEASE COPY.

Postmaster M. E. Cassidy received a letter from Col. Sturges telling of political conditions throughout the territory and predicting the victory of Ralph Cameron this fall over Mark Smith. As the letter was not intended for publication, being of a personal nature, it can not be published in its entirety but nothing better indicates the harmony and unanimity of feeling among the republicans than this letter from one leader of the former anti-administration faction to another.

In the letter Col. Sturges says: "We are going to devote everything on earth to elect Ralph. We are going to make a campaign such as has never been made before and we will roll up a majority that will give Mark Smith a rest, not alone for two years, but for all time to come."